

# Resource Summary Report

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## BWH CytoGenomics

RRID:SCR\_009681

Type: Tool

### Proper Citation

BWH CytoGenomics (RRID:SCR\_009681)

### Resource Information

**URL:** <http://harvard.eagle-i.net/i/0000012c-654b-2967-c437-ff0b80000000>

**Proper Citation:** BWH CytoGenomics (RRID:SCR\_009681)

**Description:** Core facility that provides the following services: Fluorescence in situ hybridization.

The CytoGenomics Core provides an invaluable technical resource to the investigators of the BWH, MGH, and affiliated institutions. Services are also available to external academic and commercial laboratories; these should contact us via our website for sample submission and pricing. Cytogenetic studies can provide insight into regions of the genome that are pathogenetic in various neoplasms leading to an understanding of the molecular pathways participating in the biology of cancer. It is appropriate to consider cytogenetics as a fundamental adjunct to a variety of investigations underway, including basic and clinical research. For example, a rather simple cytogenetic analysis of mouse ES cells to determine ploidy prior to injections into blastulas leads to a greater success rate in establishing founders for knock-out and knock-in experiments. The primary chromosomal assignment of a gene by a FISH experiment may lead to correlation of a disease with that gene. Other cytogenetic studies may be important in establishing a diagnosis for correlation with clinical outcome. The advent of molecular probes for FISH analysis has facilitated cytogenetic studies in the mouse, and other model organisms and this Core aggressively implements such technologies. In addition to state-of-the-art analyses for human samples, the BWH CytoGenomics Core also performs routine mouse karyotyping and a variety of other molecular cytogenetic analyses, services not easily obtainable elsewhere.

**Resource Type:** core facility, service resource, access service resource

**Keywords:** fluorescent in situ hybridization

**Resource Name:** BWH CytoGenomics

**Resource ID:** SCR\_009681

**Alternate IDs:** nlx\_156140

**Alternate URLs:** <http://cytogenomics.bwh.harvard.edu/>

**Record Creation Time:** 20220129T080254+0000

**Record Last Update:** 20260731T042824+0000

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## Ratings and Alerts

No rating or validation information has been found for BWH CytoGenomics.

No alerts have been found for BWH CytoGenomics.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.